

### Amendments To the Abstract

Please replace the Abstract with following amended Abstract:

#### Abstract of the Disclosure

~~The invention relates to the field of chemistry and relates to radically~~ Radically coupled PTFE polymer compounds ~~that can be used~~ useful, for example, as tribo materials, and a method for the production thereof. ~~The object of the invention is to disclose radically~~ Radically coupled PTFE polymer compounds are provided which exhibit improved wear resistances with comparable gliding properties, and furthermore there is provided a simple and efficient method for the production of such compounds. ~~The object is attained through radically~~ Radically coupled PTFE polymer compounds are provided comprising radiation-chemically and/or plasma-chemically modified PTFE powders, on the particle surface of which olefinically unsaturated polymers are chemically radically coupled by a reactive conversion into a melt. ~~The object is further attained through~~ There is also provided a method for producing radically coupled PTFE polymer compounds, in which PTFE powders are reactively converted with reactive perfluoroalkyl-(peroxy) radical centers after a radiation-chemical and/or plasma-chemical modification into a melt with the addition of olefinically unsaturated polymers.